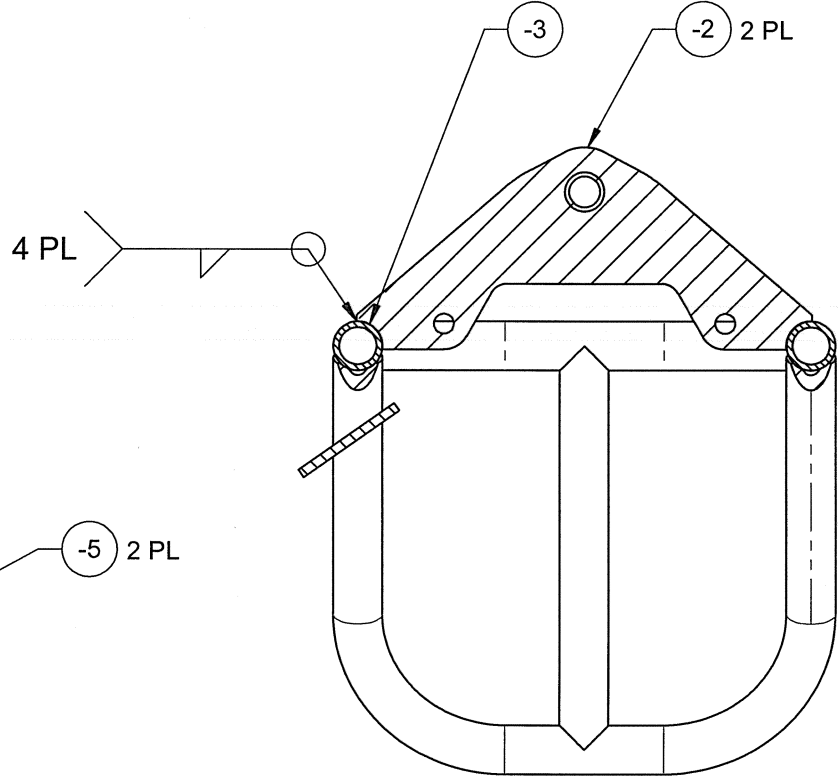
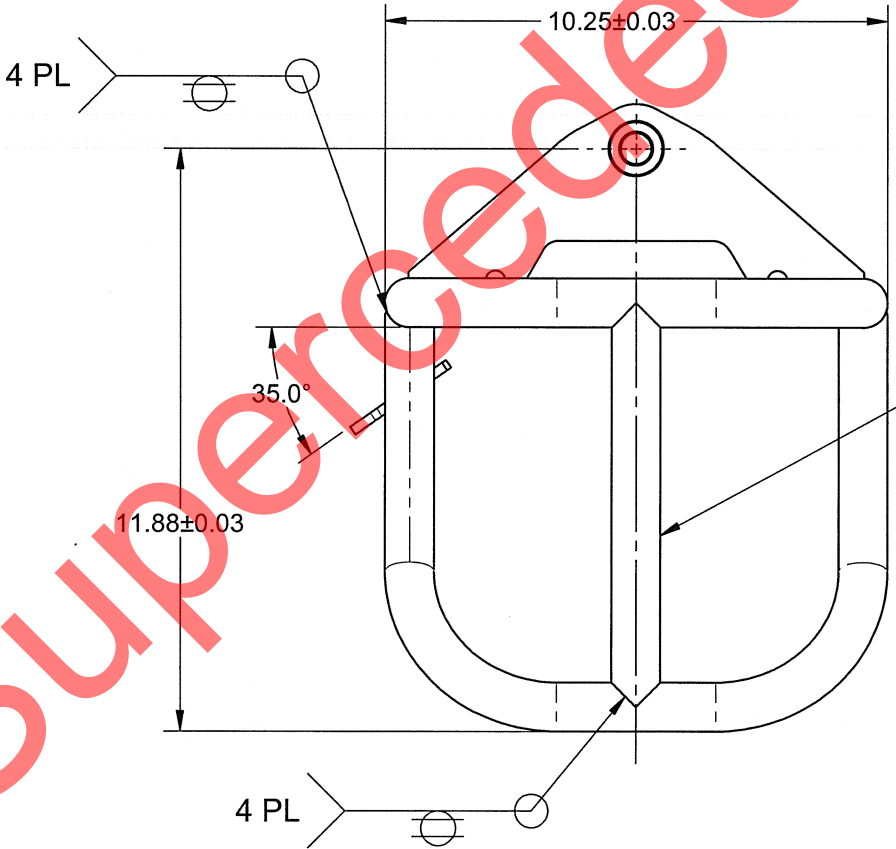
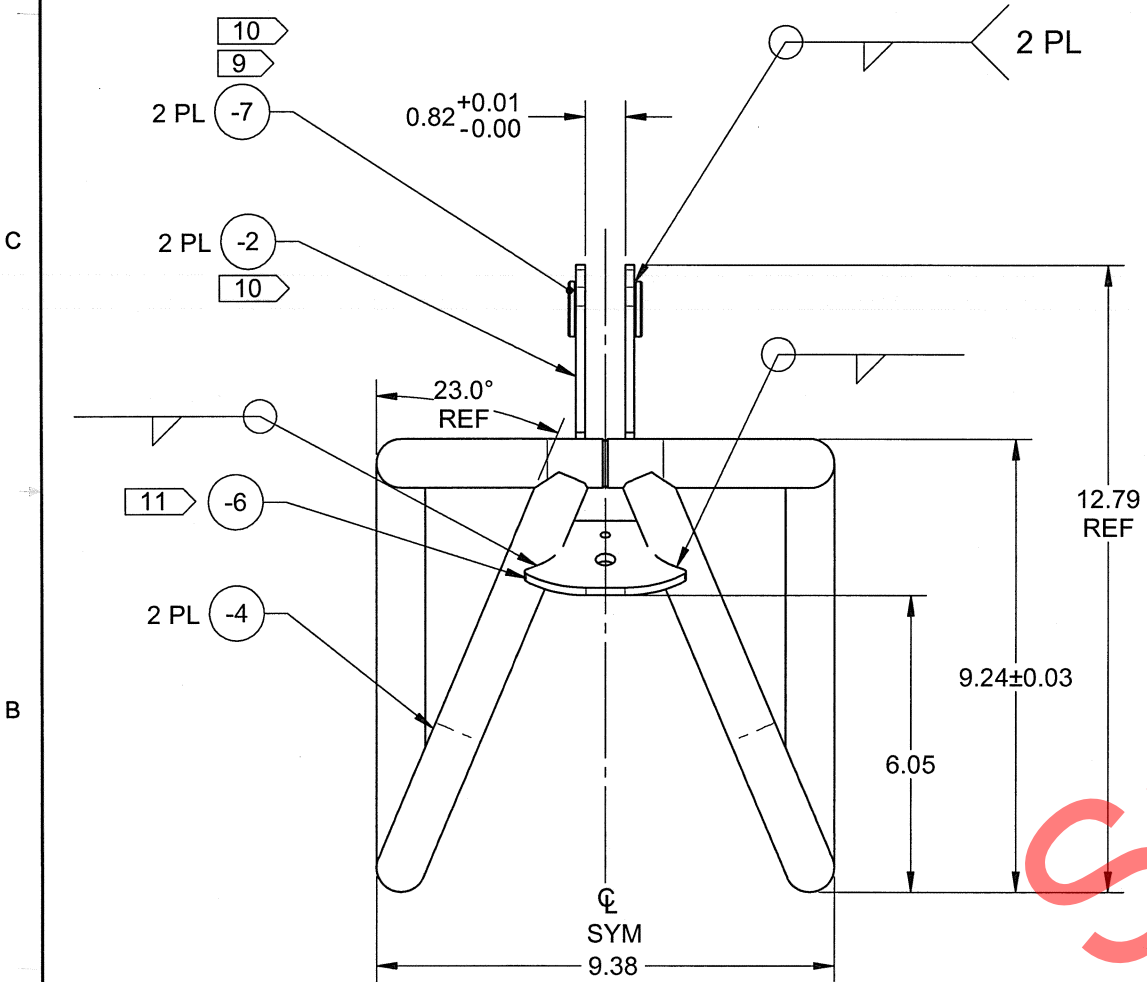
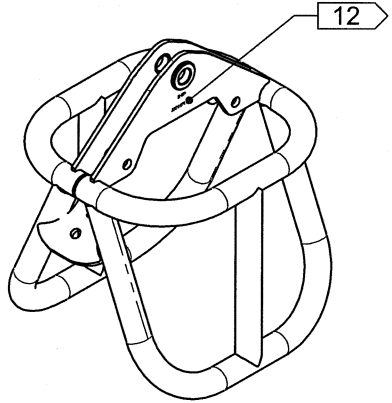
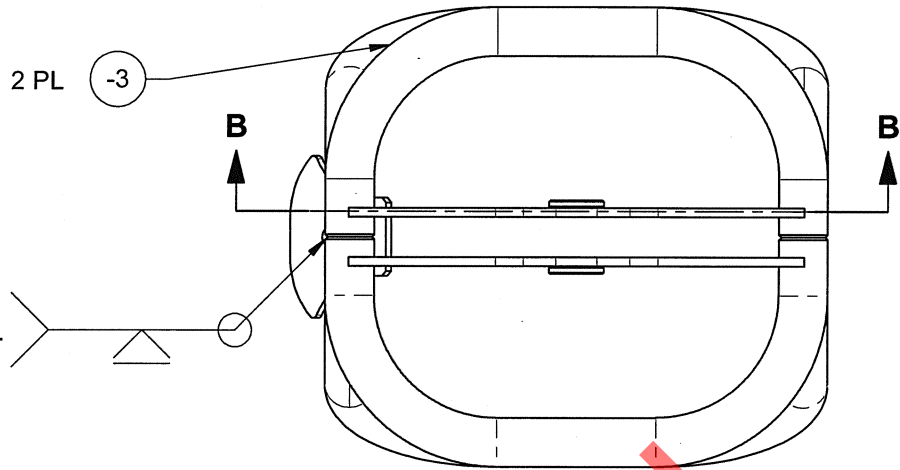


ITEM #	QTY	PART #	PART TITLE
-2	2	C3-C-2	LIFTING PLATE
-3	2	C3-C-3	TOP SEMI-RING
-4	2	C3-C-4	SIDE LOOP C3 CAGE
-5	2	C3-C-5	STIFFENER BAR
-6	1	C3-C-6	BUMPER BRACKET
-7	2	C3-C-7	BOSS

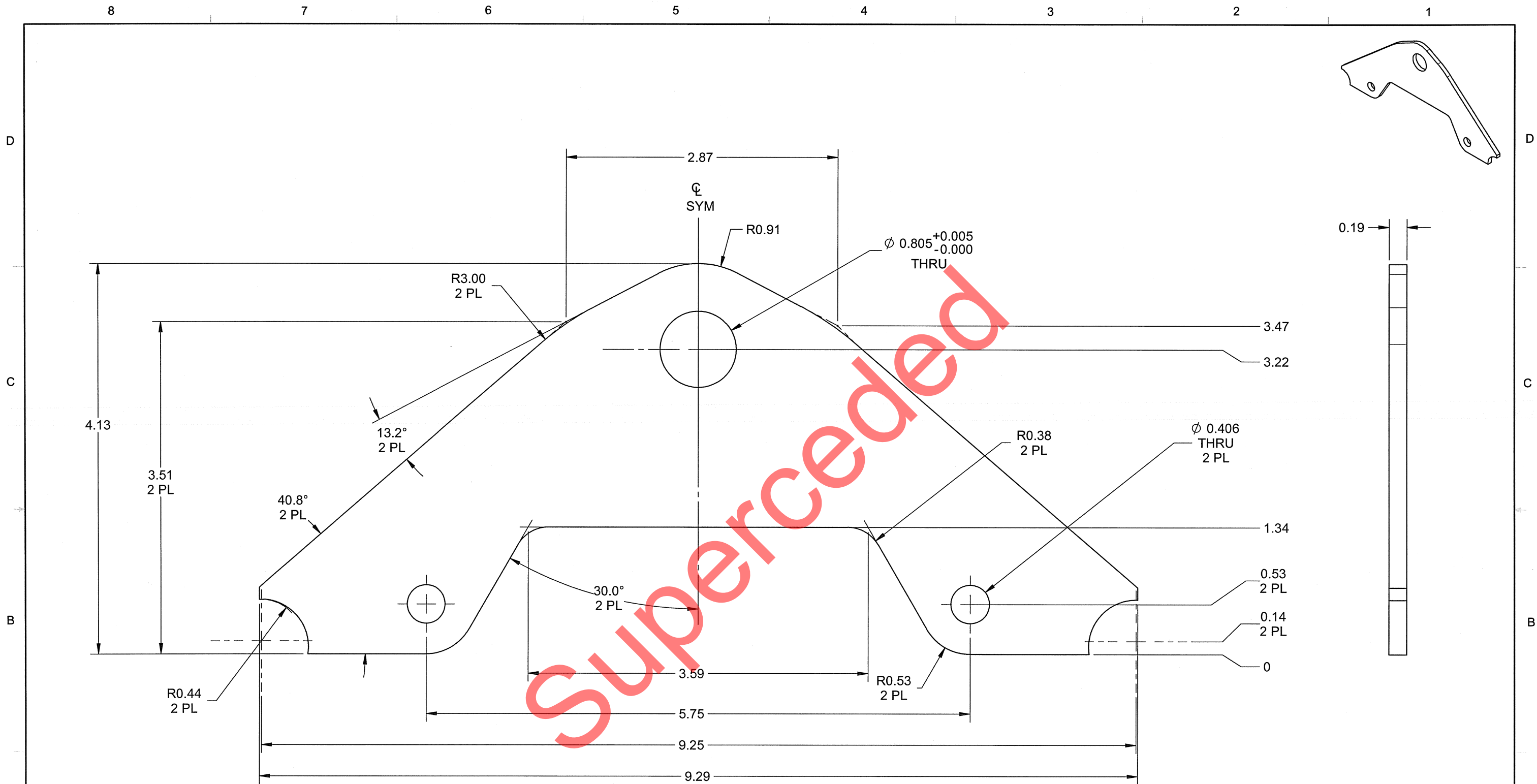


SECTION B-B

- NOTES:
- 1) MATERIAL: N/A
 - 2) HEAT TREAT: N/A
 - 3) FINISH: POWDERCOAT RED QSI 005 OR MIL-PRF-24712
 - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
 - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 6) IDENTIFICATION: N/A
 - 7) ASSEMBLE AS SHOWN
 - 8) REMOVE ALL SHARP EDGES, BURRS, AND WELD SPATTERS
 - 9) USE WELD FIXTURE C-3, FILLET AROUND ALL PART CONNECTIONS 100%
 - 10) HOLES OF BOTH SETS OF -2 AND -7 MUST ALIGN.
 - 11) TRIM ITEM-6 BUMPER BRACKET AS REQUIRED TO MATCH TUBES PROFILE FOR WELDING.
 - 12) INK STAMP T/N AND S/N PER QSI 044 AFTER POWDER COAT

C3-C-1 WELDMENT C3 CAGE

DESIGN	VM	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VM		
CHECKED	VM	TOOL PART #	REV. H
MFG. APPR.	DP	C3-C	SHEET 2 OF 10
APPROVED	WHP	TITLE	SCALE
		C3 CAGE	NTS
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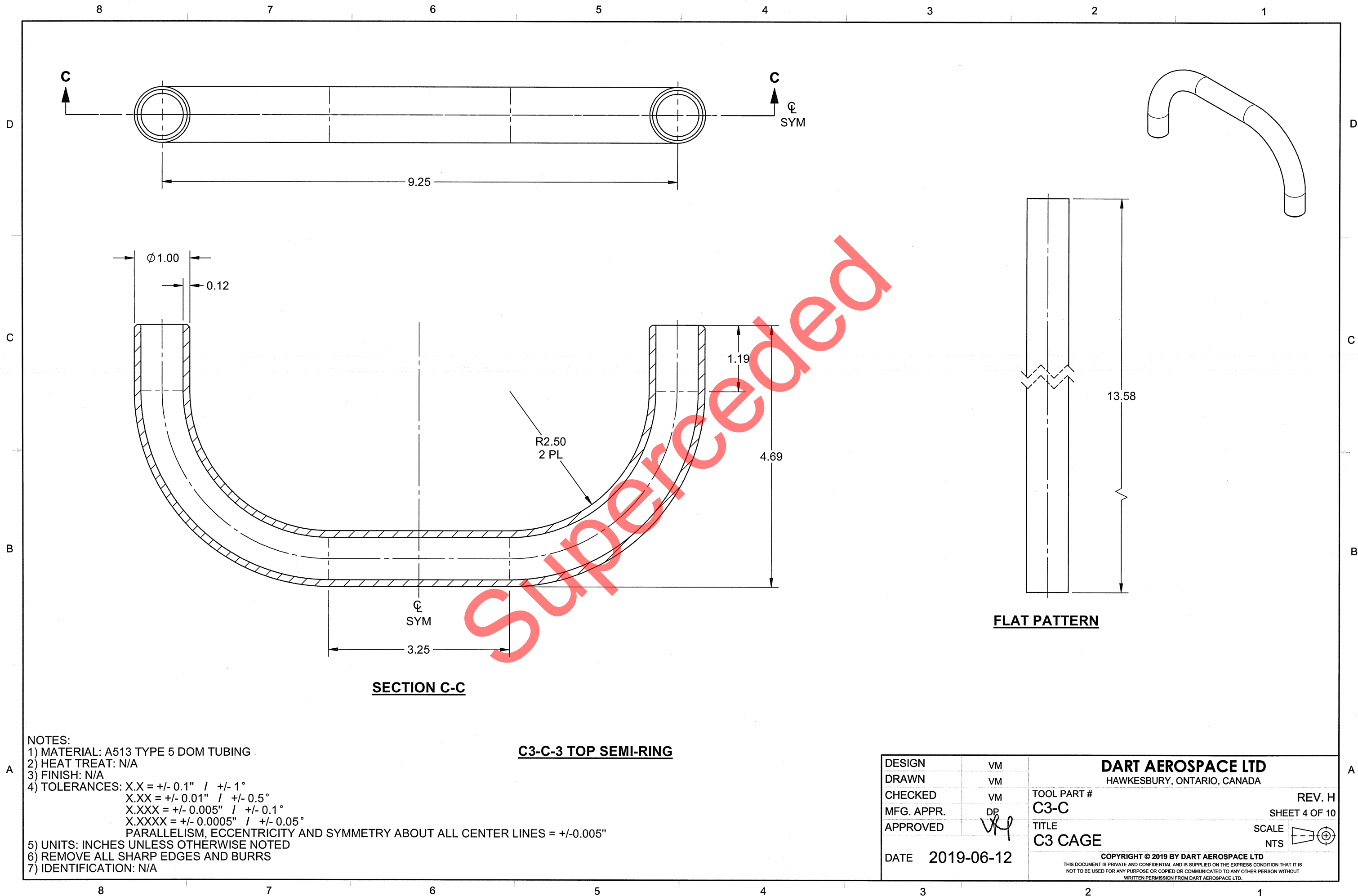
NOTES:

- 1) MATERIAL: 1018/1020/1025 CR
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) REMOVE ALL SHARP EDGES AND BURRS
- 7) IDENTIFICATION: N/A
- 8) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF +/- 0.01" PER CAD FILE C3-C-2 REV. H.STEP

C3-C-2 LIFTING PLATE

8

DESIGN	VM	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VM		
CHECKED	VM	TOOL PART #	REV. H
MFG. APPR.	DP	C3-C	SHEET 3 OF 10
APPROVED	WY	TITLE	SCALE
		C3 CAGE	NTS
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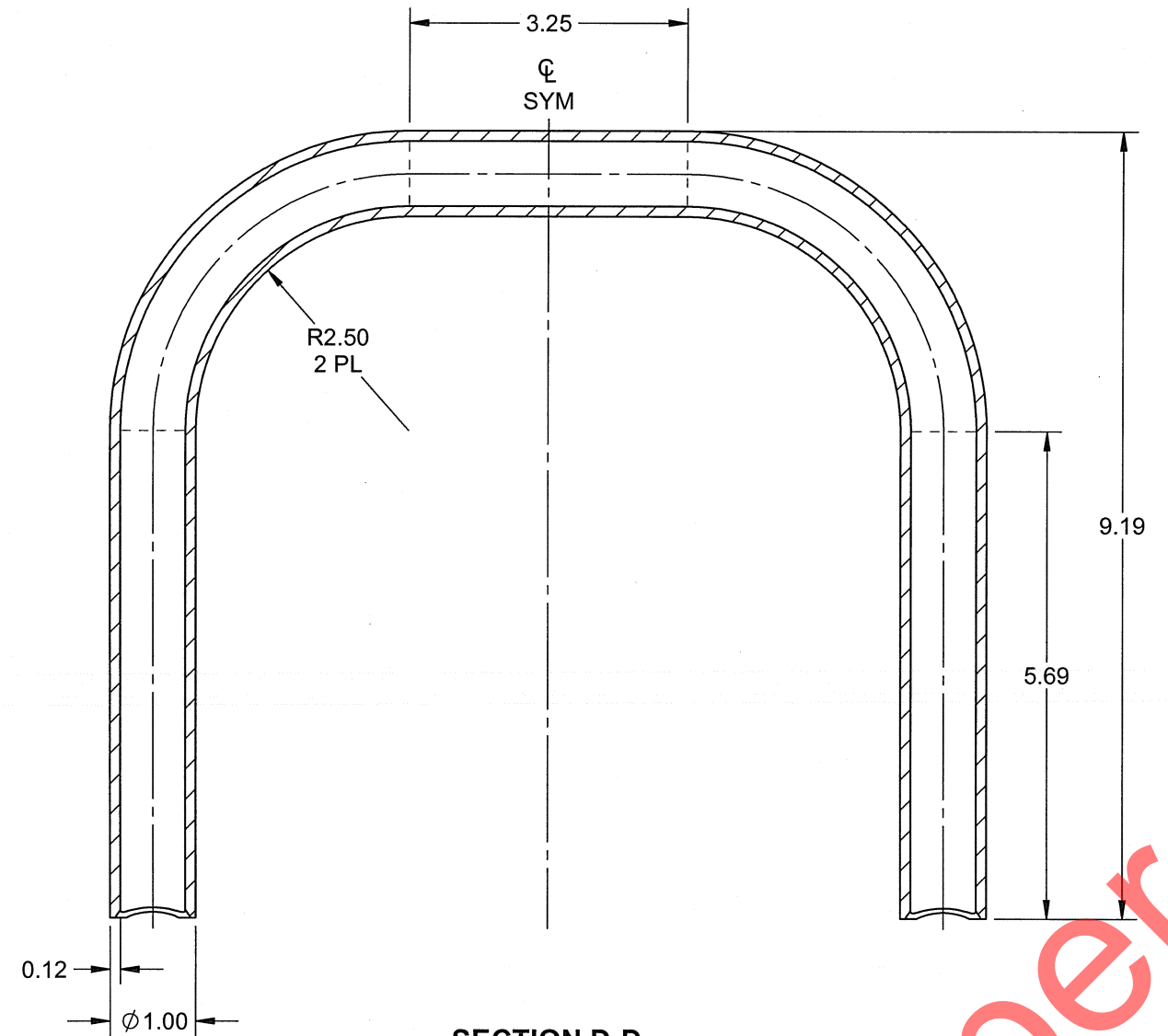
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D

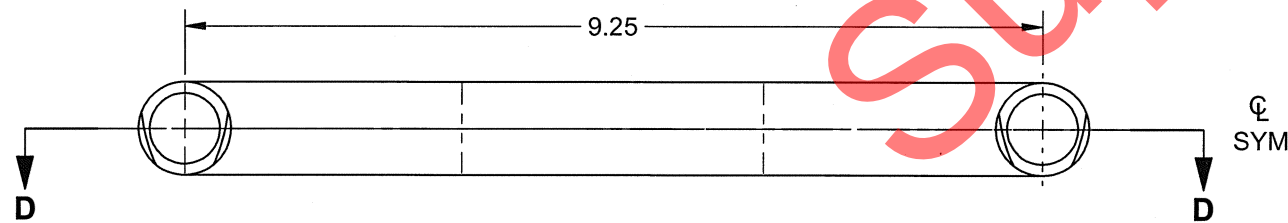
C

B

A

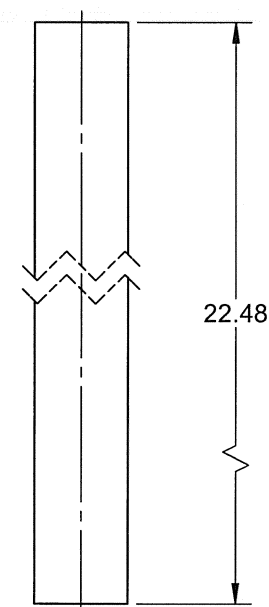
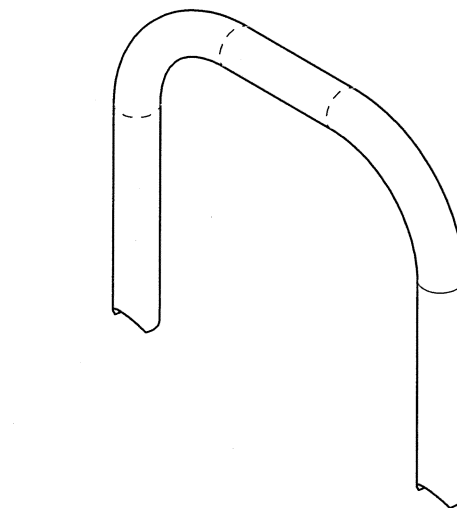
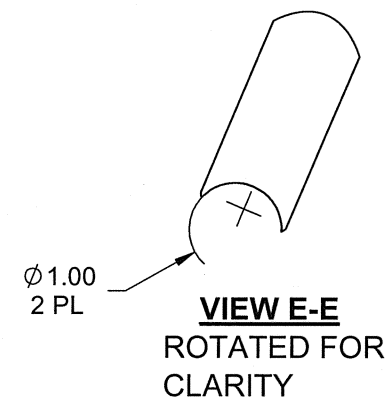
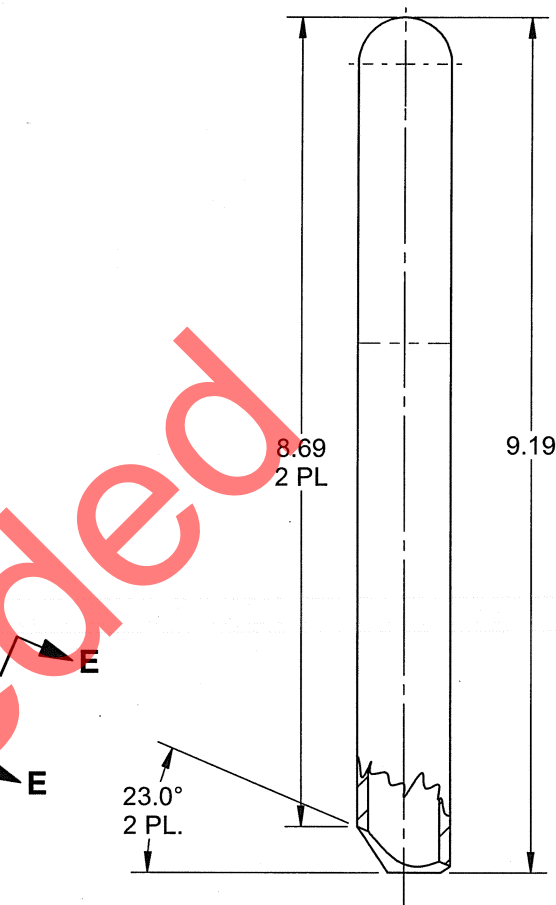


SECTION D-D



C3-C-4 SIDE LOOP C3 CAGE

- NOTES:
- 1) MATERIAL: A513 TYPE 5 DOM TUBING
 - 2) HEAT TREAT: N/A
 - 3) FINISH: N/A
 - 4) TOLERANCES: X.X = ± 0.1 " / $\pm 1^\circ$
X.XX = ± 0.01 " / $\pm 0.5^\circ$
X.XXX = ± 0.005 " / $\pm 0.1^\circ$
X.XXXX = ± 0.0005 " / $\pm 0.05^\circ$
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = ± 0.005 "
 - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 6) REMOVE ALL SHARP EDGES AND BURRS
 - 7) IDENTIFICATION: N/A

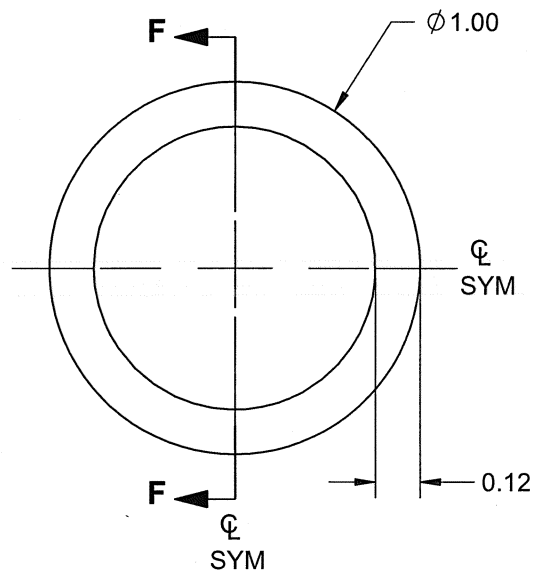


FLAT PATTERN

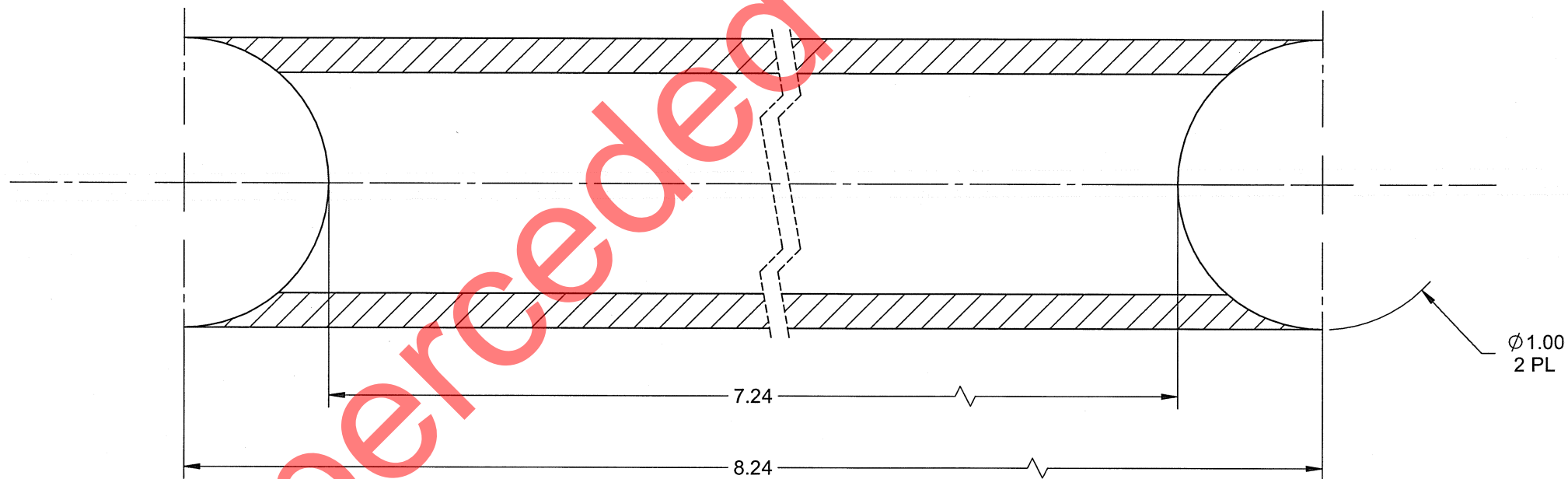
DESIGN	VM	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VM		
CHECKED	VM	TOOL PART #	REV. H
MFG. APPR.	DP	C3-C	SHEET 5 OF 10
APPROVED		TITLE	SCALE
		C3 CAGE	NTS
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8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1



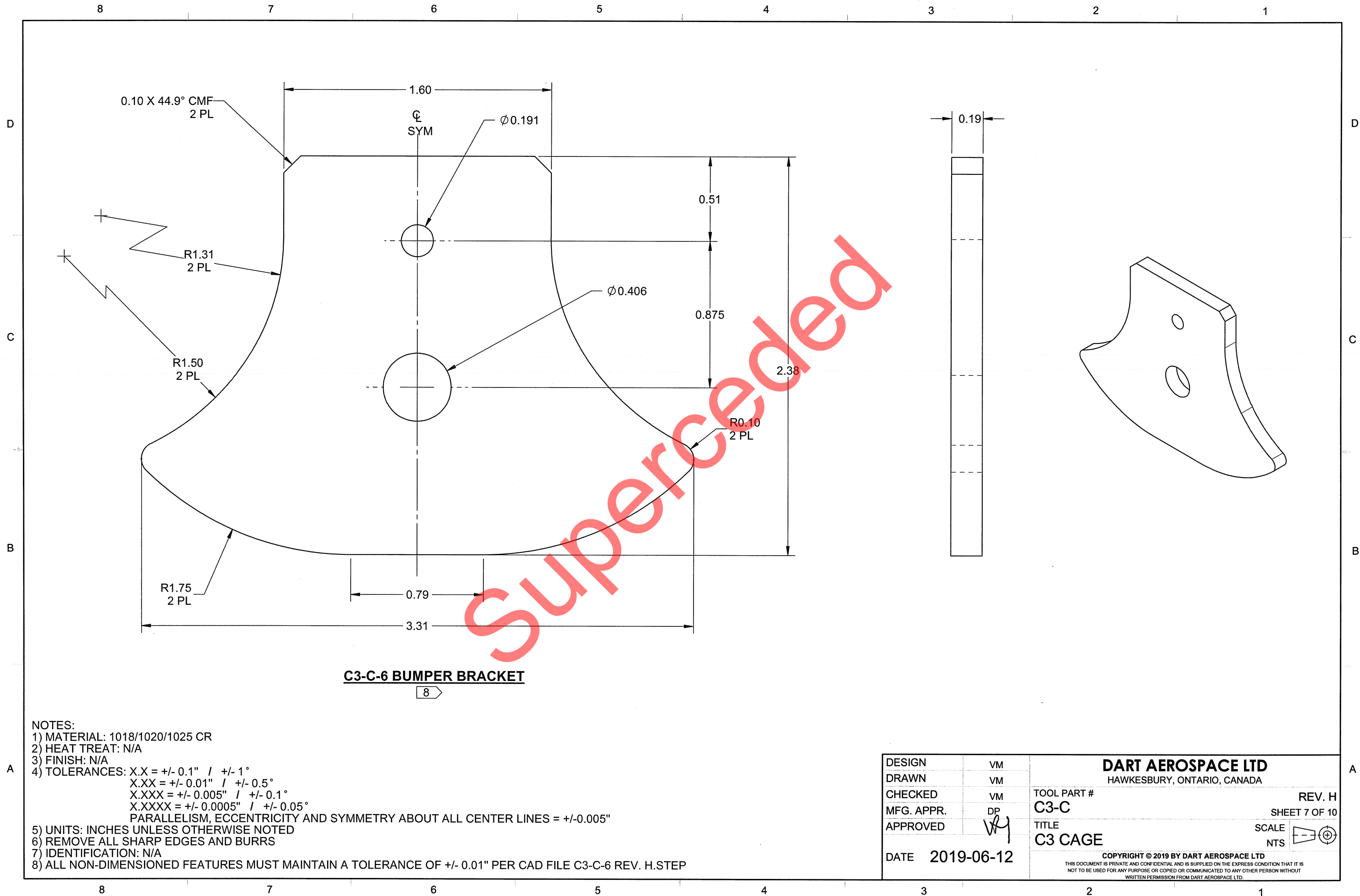
C3-C-5 STIFFENER BAR



SECTION F-F

- NOTES:
- 1) MATERIAL: A513 TYPE 5 DOM TUBING
 - 2) HEAT TREAT: N/A
 - 3) FINISH: N/A
 - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
 - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 6) REMOVE ALL SHARP EDGES AND BURRS
 - 7) IDENTIFICATION: N/A

DESIGN	VM	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VM		
CHECKED	VM	TOOL PART #	REV. H
MFG. APPR.	DP	C3-C	SHEET 6 OF 10
APPROVED		TITLE	SCALE
		C3 CAGE	NTS
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8

7

6

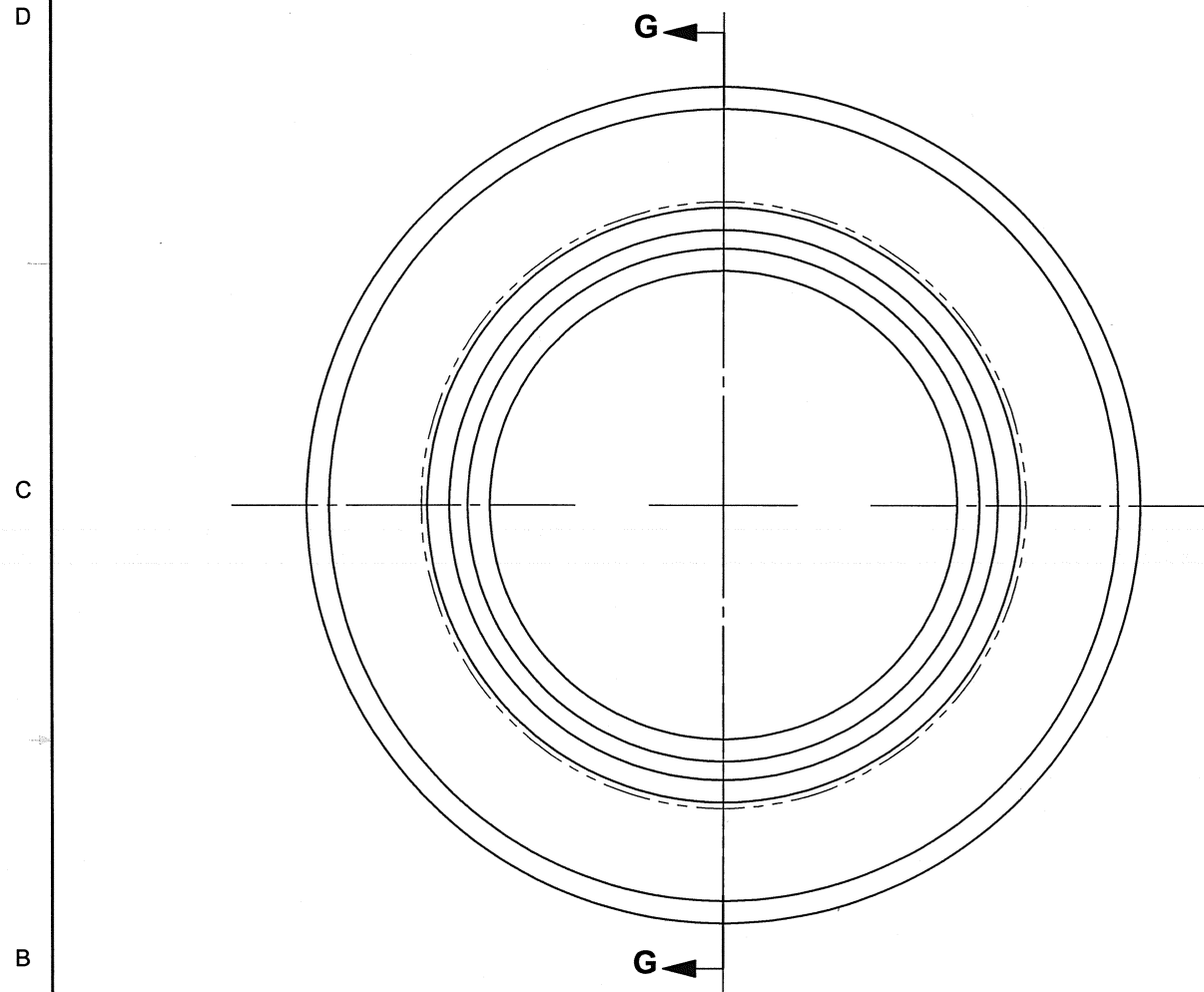
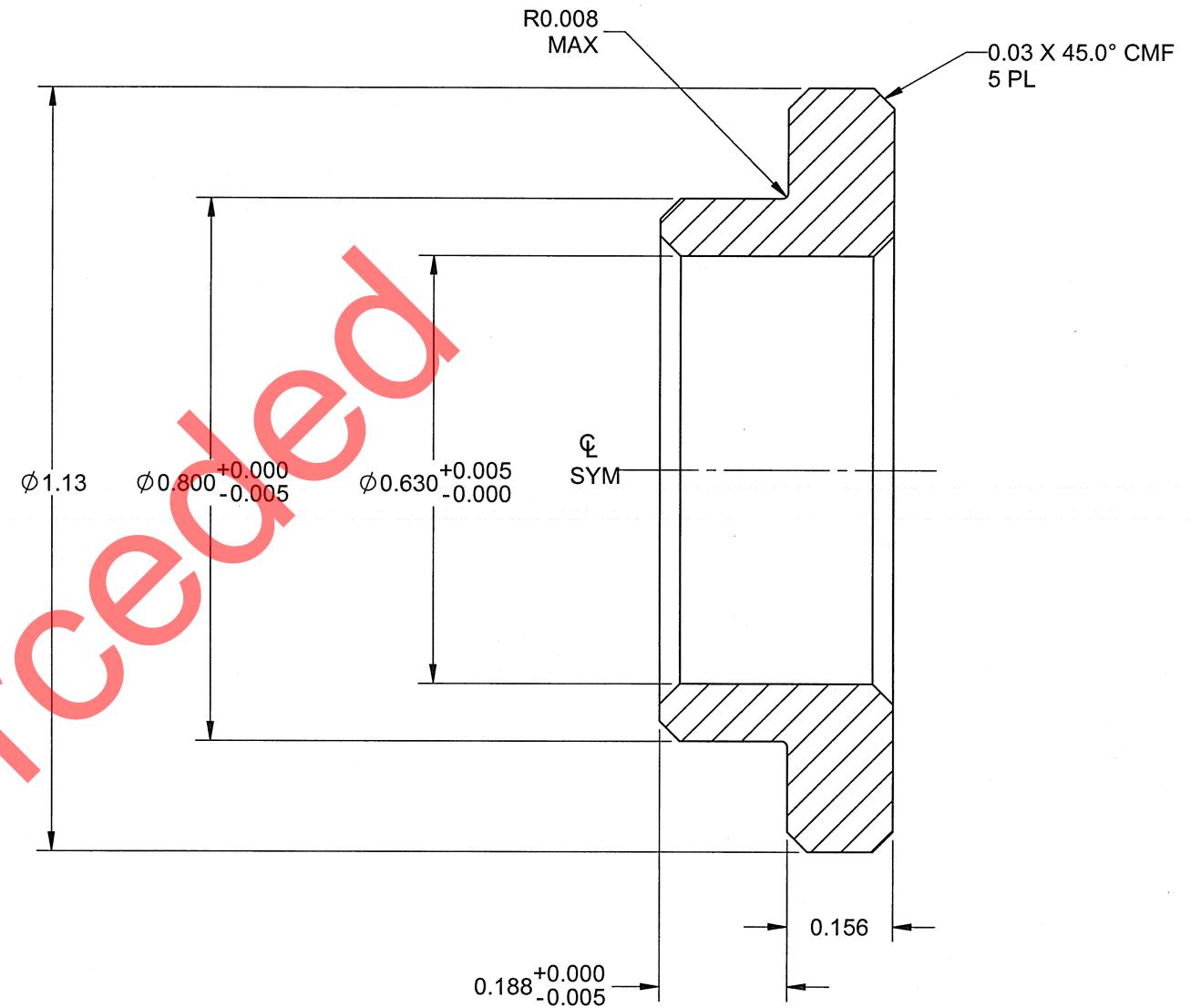
5

4

3

2

1

**C3-C-7 BOSS****SECTION G-G****NOTES:**

1) MATERIAL: 1018/1020/1025 CR

2) HEAT TREAT: N/A

3) FINISH: N/A

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

X.XX = +/- 0.01" / +/- 0.5°

X.XXX = +/- 0.005" / +/- 0.1°


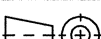
X.XXXX = +/- 0.0005" / +/- 0.05°

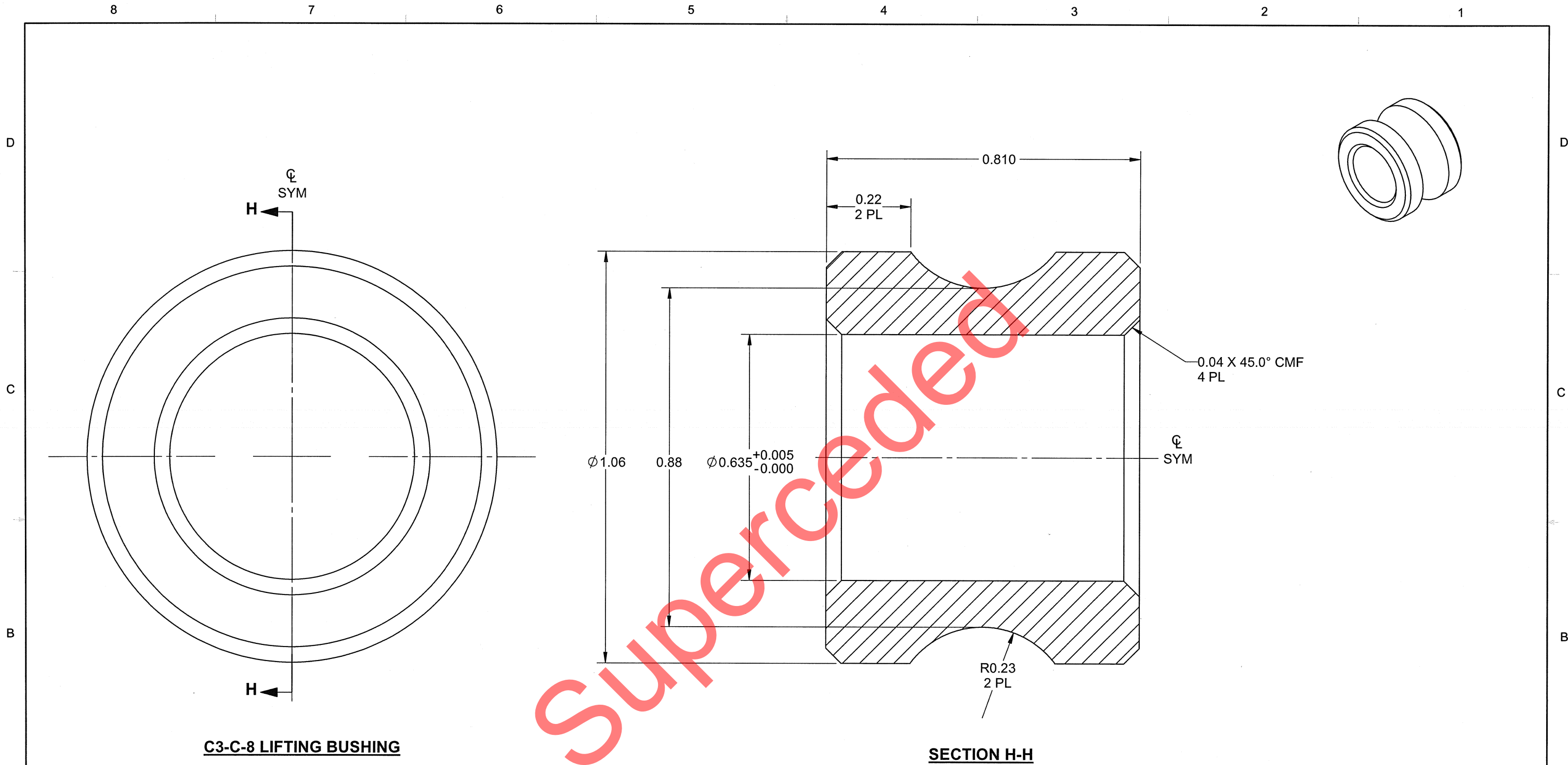
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) REMOVE ALL SHARP EDGES AND BURRS

7) IDENTIFICATION: N/A



DESIGN	VM	DART AEROSPACE LTD	
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA	
CHECKED	VM	TOOL PART #	REV. H
MFG. APPR.	DP	C3-C	SHEET 8 OF 10
APPROVED		TITLE	SCALE
		C3 CAGE	NTS 
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C3-C-8 LIFTING BUSHING

SECTION H-H

NOTES:
1) MATERIAL: 4140 (28-32 RC)
2) HEAT TREAT: N/A
3) FINISH: NICKEL PLATE PER MIL-C-26074 CLASS 2 GRADE B OR QQ-N-290A CLASS 2 GRADE E
4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
5) UNITS: INCHES UNLESS OTHERWISE NOTED
6) REMOVE ALL SHARP EDGES AND BURRS
7) IDENTIFICATION: N/A

DESIGN	VM	DART AEROSPACE LTD	
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA	
CHECKED	VM	TOOL PART #	REV. H
MFG. APPR.	DP	C3-C	SHEET 9 OF 10
APPROVED		TITLE	SCALE
		C3 CAGE	NTS 
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